

Genoa Avenue Ground Water Contamination

Genoa Avenue & Cologne Port Road

Galloway Township & Port Republic City

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Volatile Organic Compounds

Treating

FUNDING SOURCES

Spill Fund

1981 Bond Fund

Corporate Business Tax

AMOUNT AUTHORIZED

\$1,037,000

\$149,000

\$1,604,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department, Galloway Township and NJDEP's Remedial Response Element between 1991 and 2001 identified 108 private potable wells in Galloway Township and Port Republic City that were contaminated with volatile organic compounds at levels exceeding New Jersey Drinking Water Standards. The primary contaminants are 1,2 dichloropropane, ethylene dibromide, dibromochloropropane and 1,2,3 trichloropropane. These compounds are banned and/or have been removed from the market since the early 1980s. With the exception of 1,2,3 trichloropropane, all were used largely as agricultural fumigants to control nematodes. NJDEP's Environmental Claims Administration installed Point-of-Entry Treatment (POET) systems on the contaminated wells to provide potable water for the residents while additional evaluation of the site was underway.

The Remedial Response Element delineated the Currently Known Extent (CKE) of the potable well contamination and completed a water supply alternatives analysis for the Galloway Township portion of the site in 2001. Based on the findings, NJDEP concluded the most cost-effective method to supply potable water to the residents was to extend public water lines to the properties in the CKE. New Jersey American Water Company is installing the water lines using funds provided by NJDEP and this work is expected to be completed in 2004. The Remedial Response Element is conducting a separate water supply alternatives analysis for the portion of the site in Port Republic City, which is expected to be completed in 2005. Additional investigative work is underway to identify possible sources of the ground water contamination at this site.